

Fig. 1

Fujio AKAHANE, et al. Q77088
 FORGING PUNCH, MINUTE FORGING METHOD
 USING THE SAME, AND METHOD...
 Date Filed: August 20, 2003
 Darryl Mexic (202) 293-7060
 1 of 18

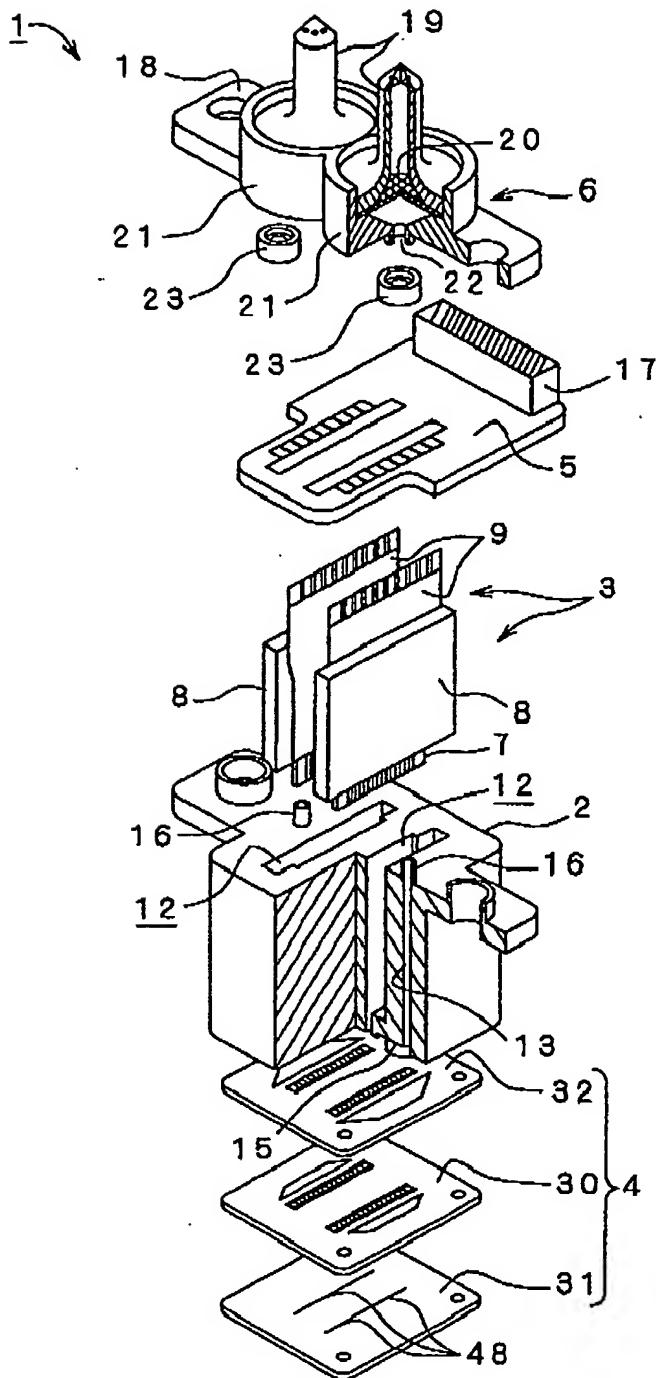


Fig. 2.

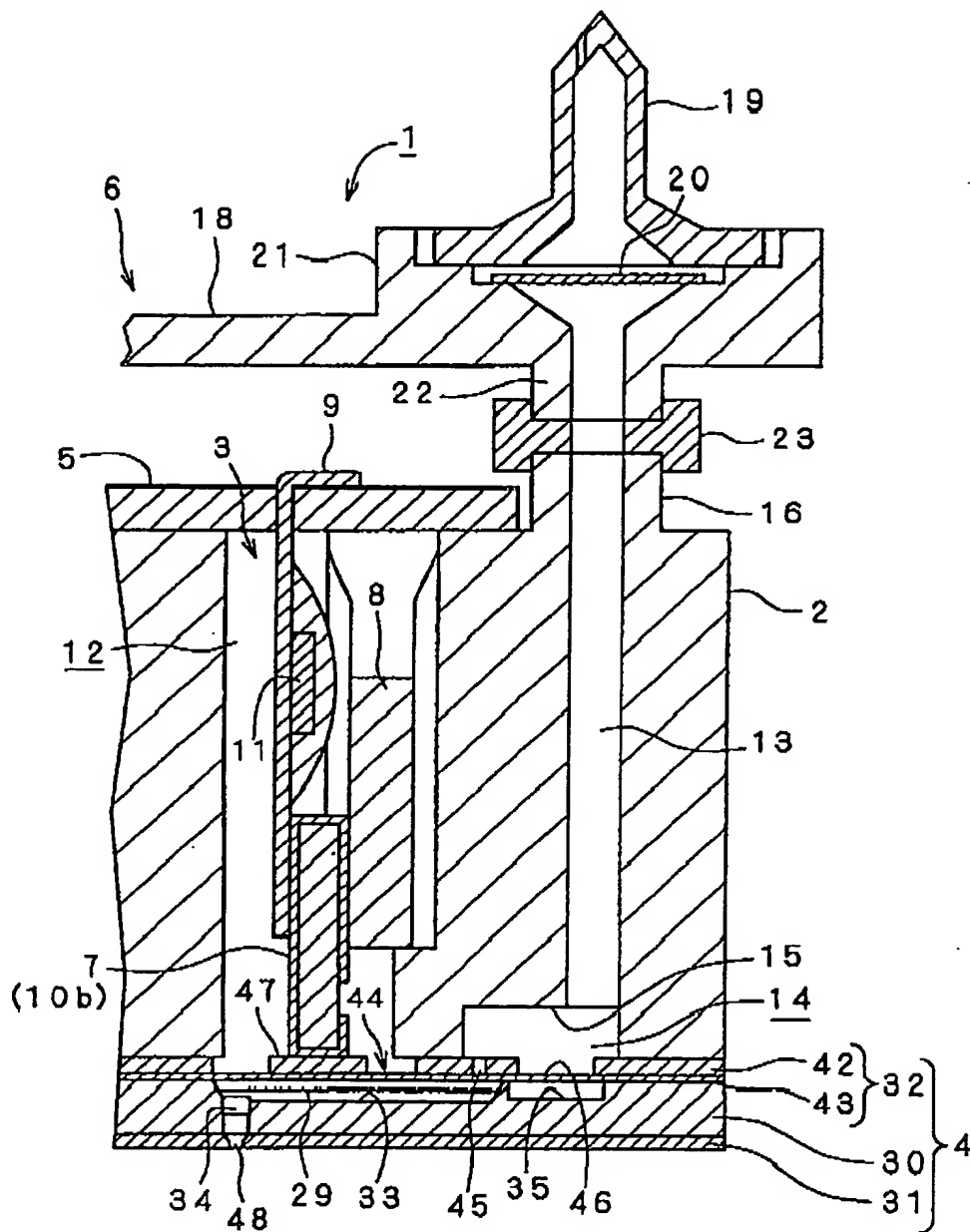


Fig. 3A

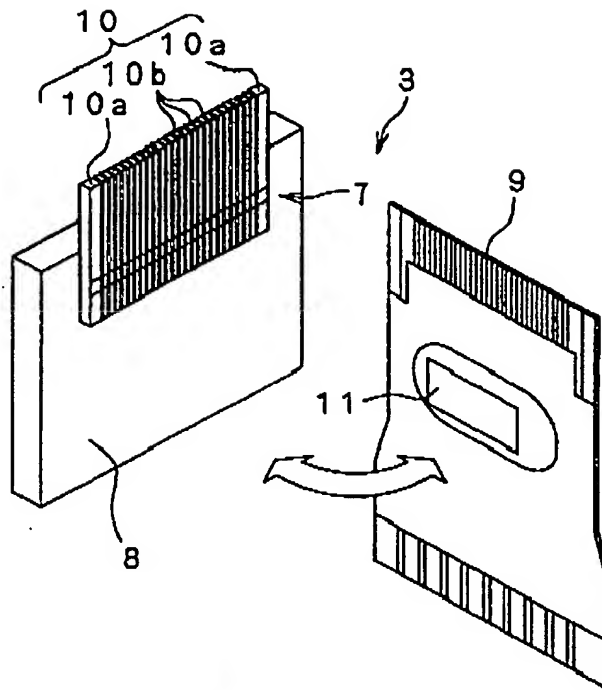


Fig. 3B

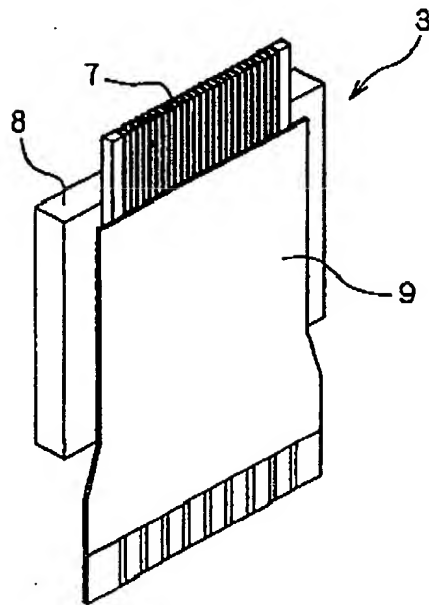


Fig. 4

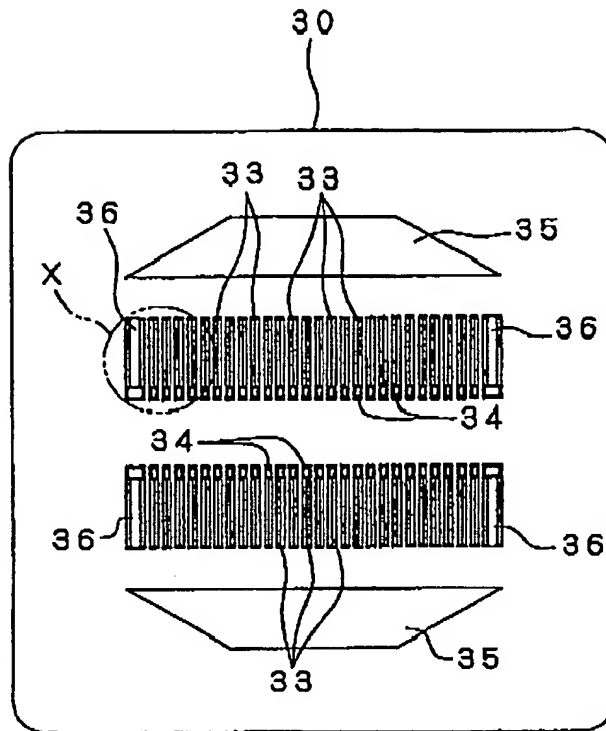


Fig. 5A

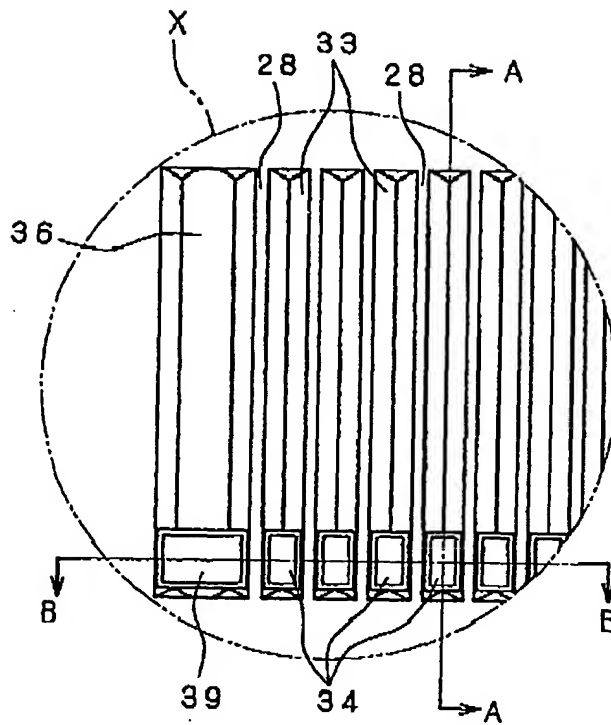


Fig. 5B

Fujio AKAHANE, et al. Q77088
 FORGING PUNCH, MINUTE FORGING METHOD
 USING THE SAME, AND METHOD...
 Date Filed: August 20, 2003
 Darryl Mexic (202) 293-7060
 5 of 18

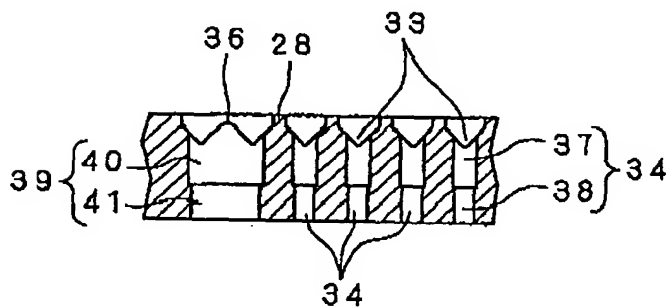
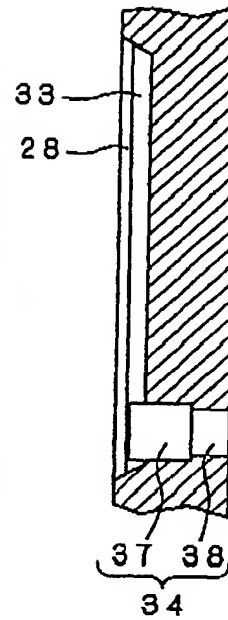
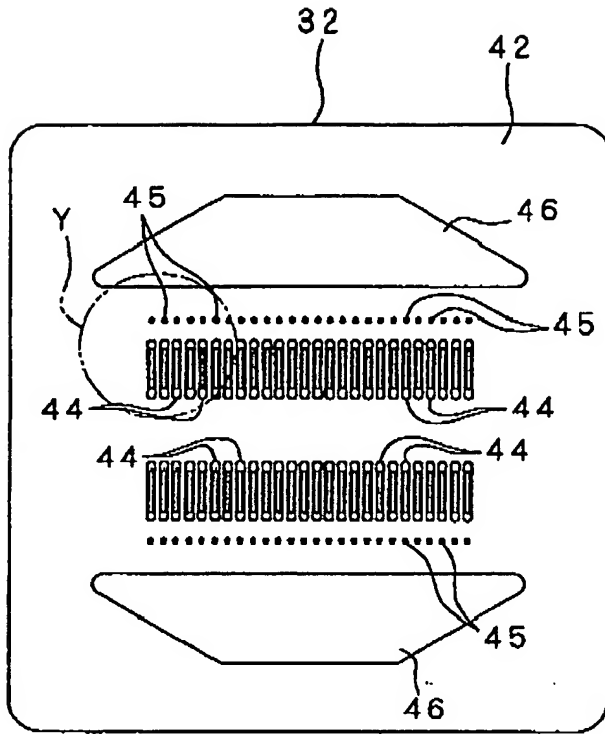


Fig. 5C

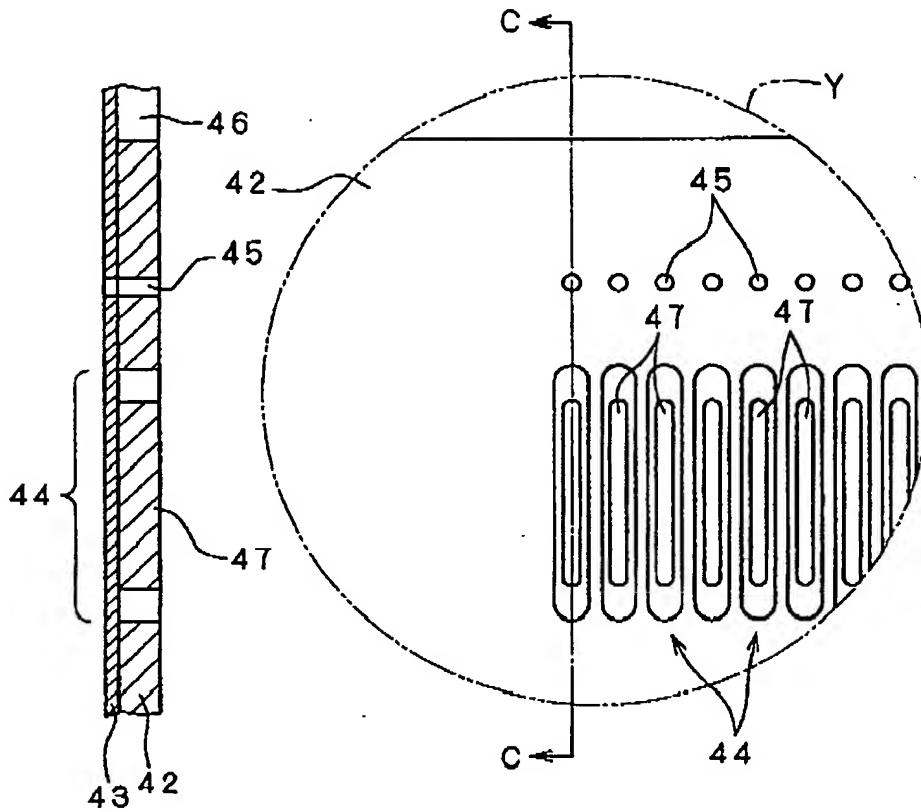
Fig. 6



Fujio AKAHANE, et al. Q77088
FORGING PUNCH, MINUTE FORGING METHOD
USING THE SAME, AND METHOD...
Date Filed: August 20, 2003
Darryl Mexic (202) 293-7060
6 of 18

Fig. 7B

Fig. 7A



Fujio AKAHANE, et al. Q77088
 FORGING PUNCH, MINUTE FORGING METHOD
 USING THE SAME, AND METHOD...
 Date Filed: August 20, 2003
 Darryl Mexic (202) 293-7060
 7 of 18

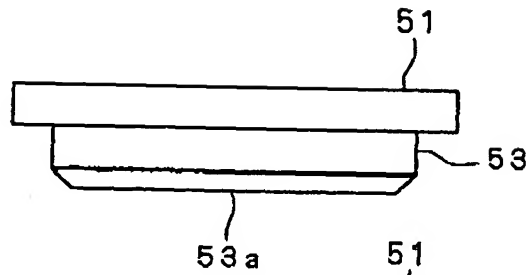


Fig. 8A

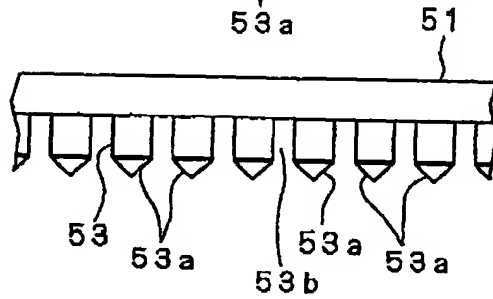


Fig. 8B

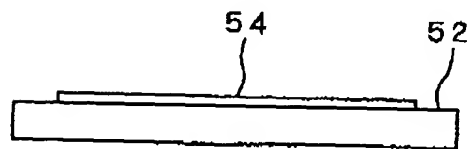


Fig. 9A

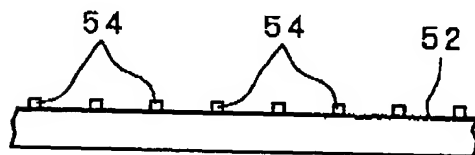


Fig. 9B

Fig. 10A

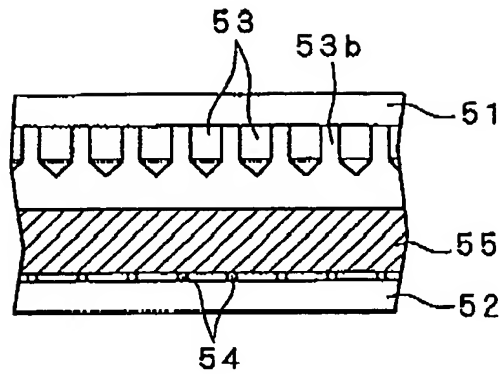


Fig. 10B

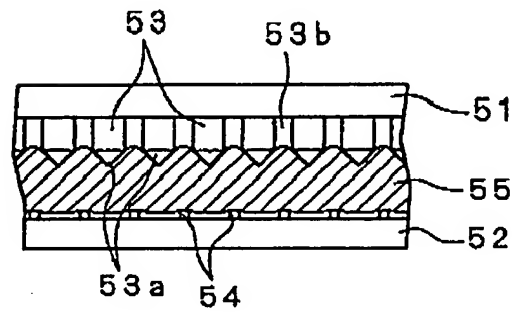


Fig. 10C

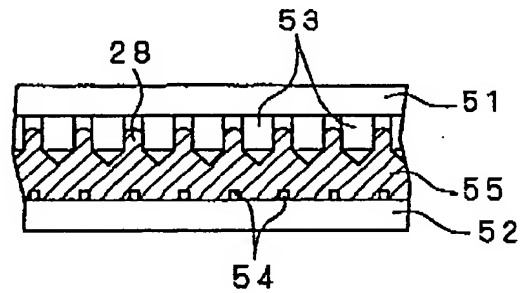


Fig. 11

Fujio AKAHANE, et al. Q77088
FORGING PUNCH, MINUTE FORGING METHOD
USING THE SAME, AND METHOD...
Date Filed: August 20, 2003
Darryl Mexic (202) 293-7060
10 of 18

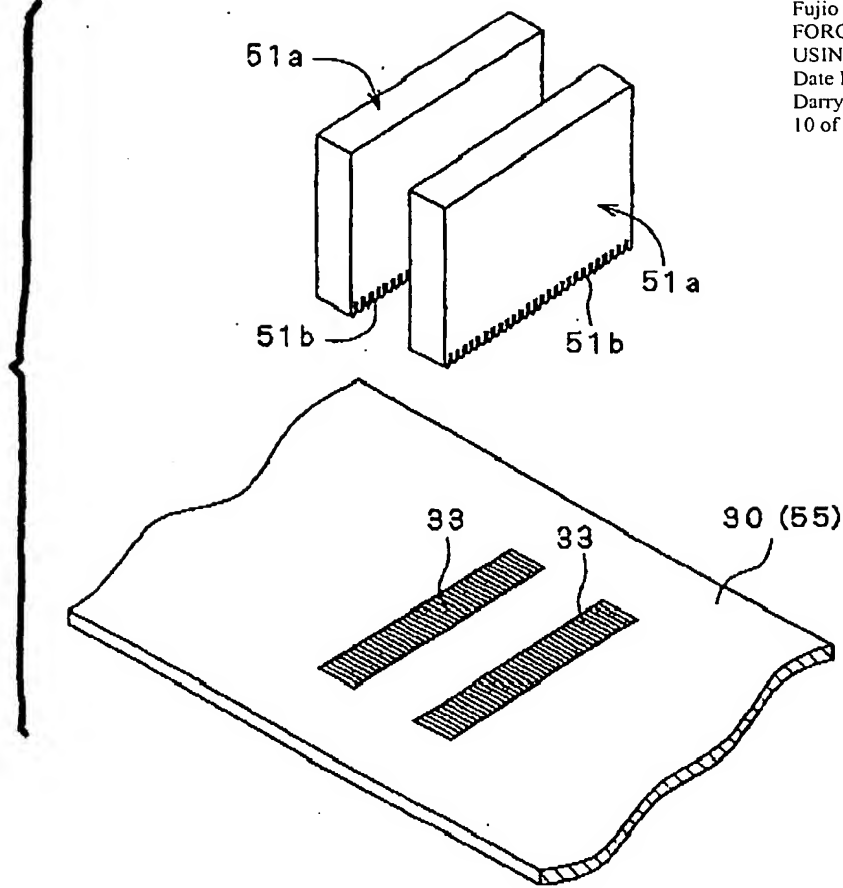


Fig. 12A

Fujio AKAHANE, et al. Q77088
FORGING PUNCH, MINUTE FORGING METHOD
USING THE SAME, AND METHOD...
Date Filed: August 20, 2003
Darryl Mexic (202) 293-7060
11 of 18

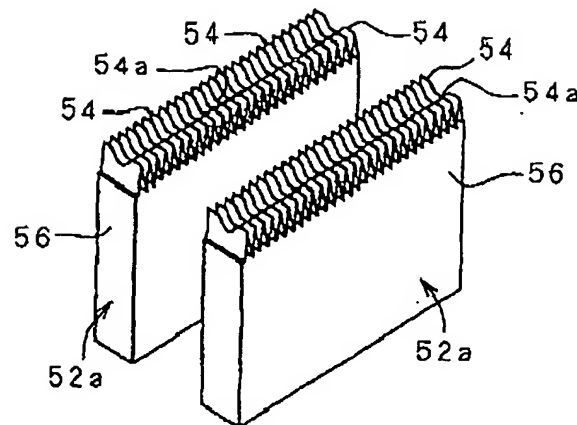


Fig. 12B

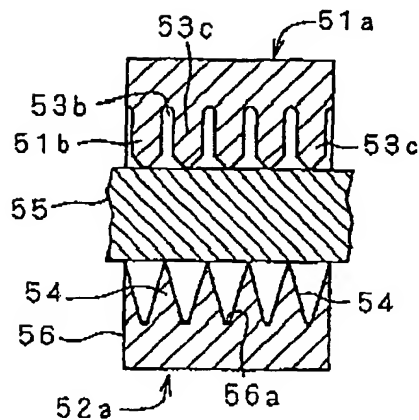


Fig. 12c

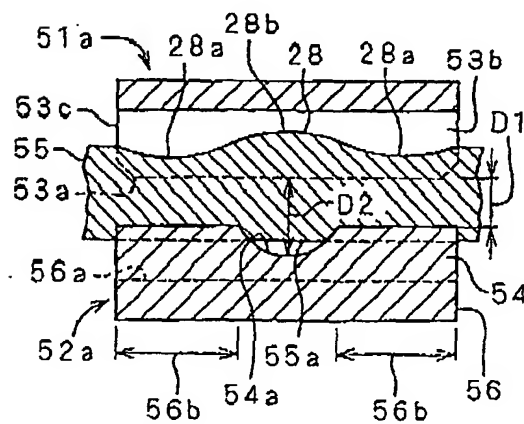
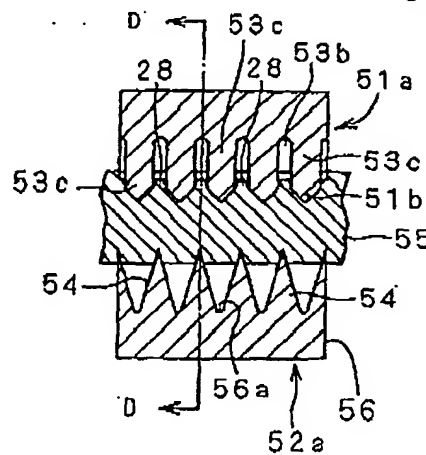


Fig. 12D

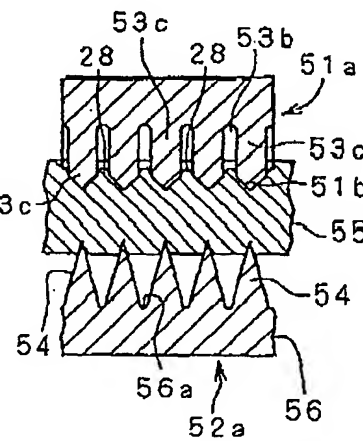
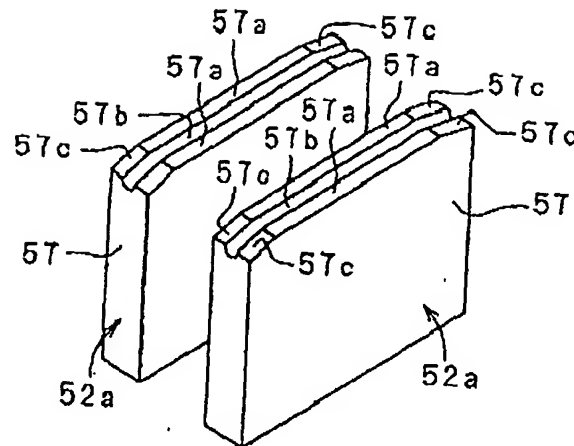


Fig. 12E

Fig. 13A



Fujio AKAHANE, et al. Q77088
 FORGING PUNCH, MINUTE FORGING METHOD
 USING THE SAME, AND METHOD...
 Date Filed: August 20, 2003
 Darryl Mexic 12 of 18 (202) 293-7060

Fig. 13B

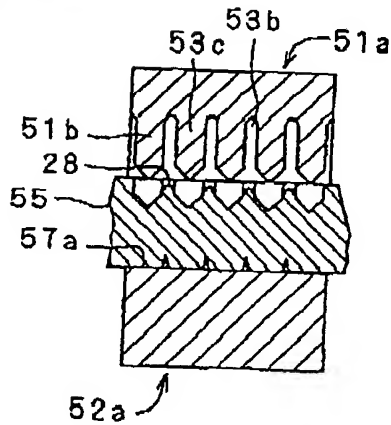


Fig. 13C

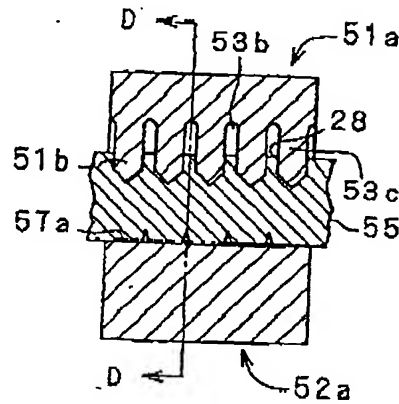


Fig. 13D

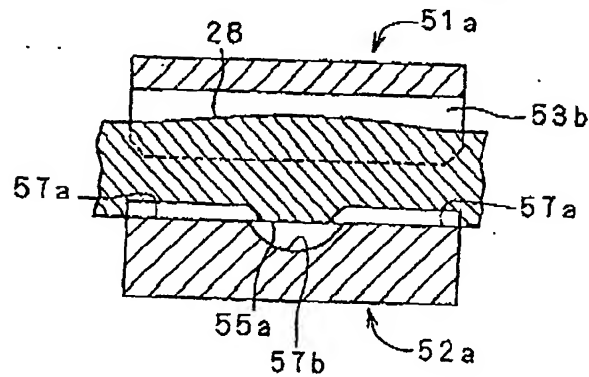


Fig. 14A

Fig. 14B

Fig. 14C

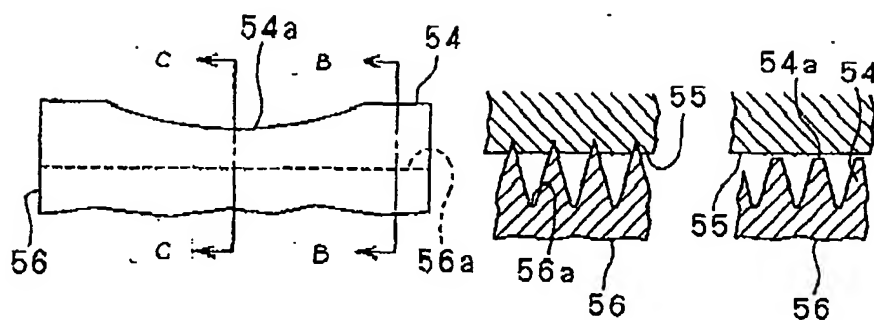
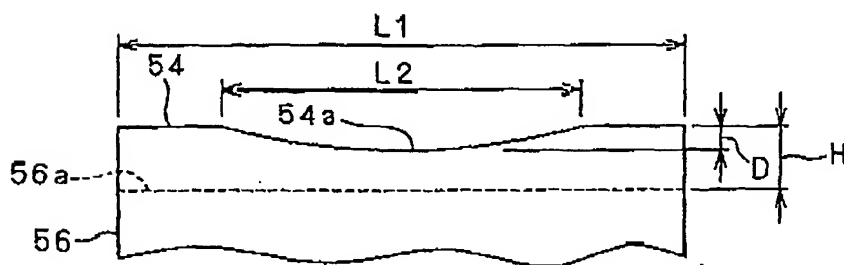
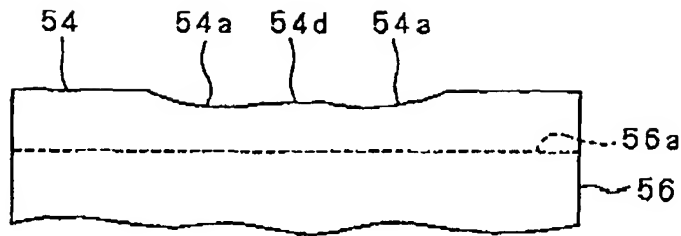


Fig. 15



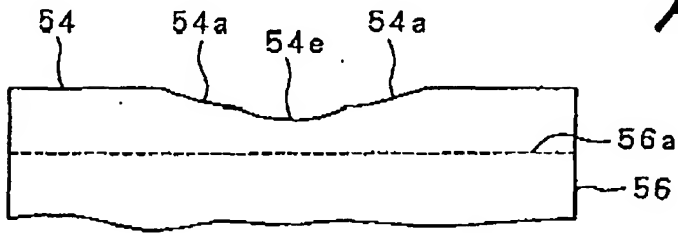
Fujio AKAHANE, et al. Q77088
 FORGING PUNCH, MINUTE FORGING METHOD
 USING THE SAME, AND METHOD...
 Date Filed: August 20, 2003
 Darryl Mexic (202) 293-7060
 13 of 18

Fig. 16A



Fujio AKAHANE, et al. Q77088
FORGING PUNCH, MINUTE FORGING METHOD
USING THE SAME, AND METHOD...
Date Filed: August 20, 2003
Darryl Mexic (202) 293-7060
14 of 18

Fig. 16B



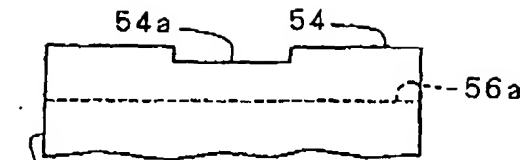


Fig. 17A

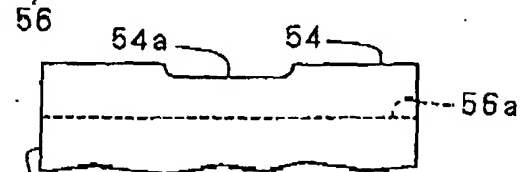


Fig. 17B

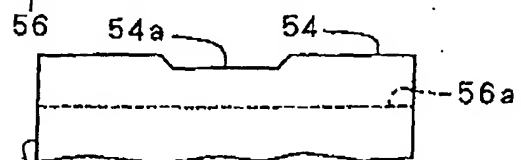


Fig. 17C

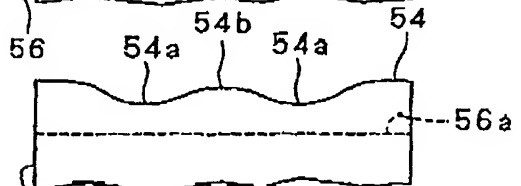


Fig. 17D

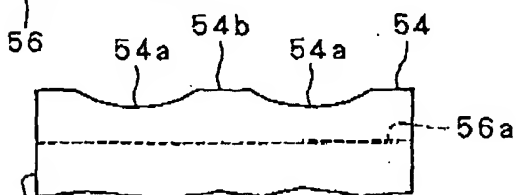


Fig. 17E

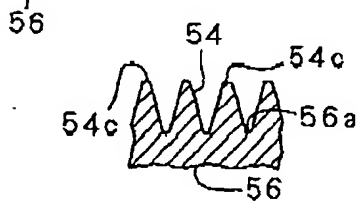


Fig. 17F

Fig. 18A

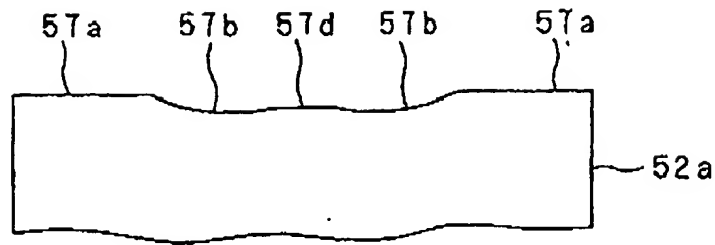


Fig. 18B

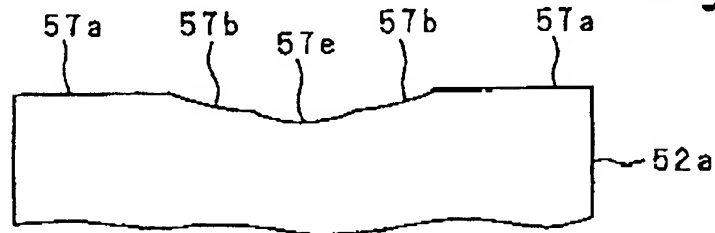


Fig. 19

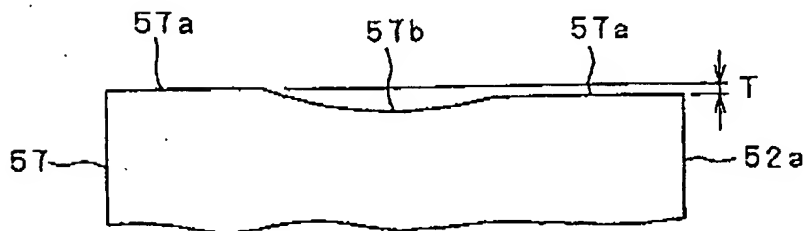


Fig. 20A

Fujio AKAHANE, et al. Q77088
 FORGING PUNCH, MINUTE FORGING METHOD
 USING THE SAME, AND METHOD...
 Date Filed: August 20, 2003
 Darryl Mexic (202) 293-7060
 17 of 18

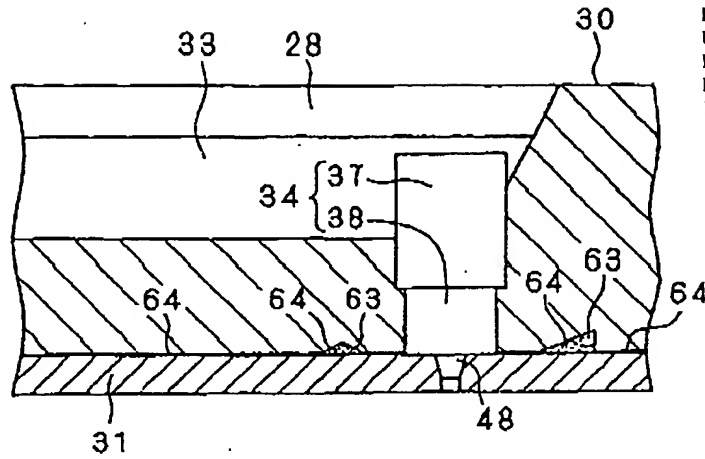


Fig. 20B

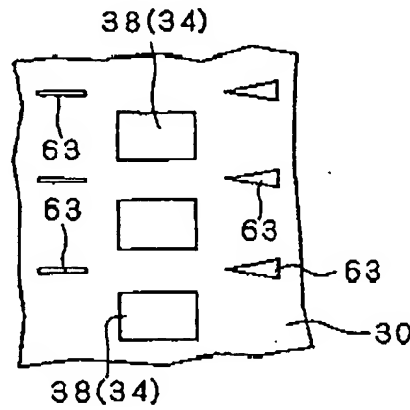


Fig. 20C

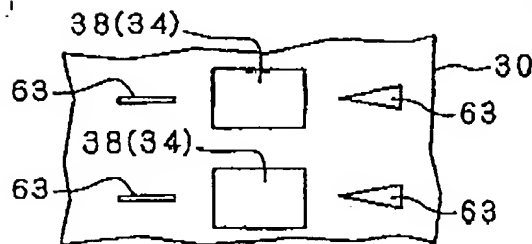


Fig. 21

